

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

ORDER NO. 83-32

WATER RECLAMATION REQUIREMENTS FOR:

NAPA SANITATION DISTRICT,
DUANE CHAMBERLAIN,
NAPA COUNTY

The California Regional Water Quality Control Board, San Francisco Bay Region, (hereinafter Board) finds that:

1. Napa Sanitation District (hereinafter Producer) has applied for water reclamation requirements by application dated December 7, 1981. The Producer proposes to supply effluent from its treatment plant for the irrigation of a 290 acre parcel adjacent to the Soscol oxidation ponds. The parcel is known as the Sonky Ranch, and is shown on Attachment A which is hereby made a part of this Order.
2. Napa Sanitation District now owns this parcel, and has leased it to Mr. Duane Chamberlain for farming purposes. The District and Mr. Chamberlain are hereinafter Users.
3. The Producer proposes to supply reclaimed water for irrigation of fodder crops on the Sonky Ranch. The reclaimed water will be treated by the oxidation pond system. Disinfection is not provided, and is not required for treated wastewater used for the irrigation of fodder crops under the provisions of the Wastewater Reclamation Criteria, contained in Title 22 of the California Administrative Code.
4. The Board adopted a revised Water Quality Control Plan (Basin Plan) for the San Francisco Bay Region on July 21, 1982.
5. The water quality goals to be used in regulating water quality factors as set forth in the Basin Plan include maximum feasible reclamation and reuse of municipal, industrial and agricultural wastewaters.
6. This project meets the criteria for a Class 4 exemption from the provisions of the California Environmental Quality Act pursuant to Section 15104 of the California Administrative Code (State EIR Guidelines).
7. The wastewater reclamation requirements are in conformance with the "Policy and Action Plan for Water Reclamation in California" adopted by the State Water Resources Control Board January 6, 1977.
8. The Board has notified the Producer and Users, and interested agencies and persons of its intent to prescribe water reclamation requirements for the proposed uses.
9. The Board at a public meeting heard and considered all comments pertaining to this reuse.

IT IS HEREBY ORDERED that Napa Sanitation District (Producer) and Napa Sanitation District and Duane Chamberlain (Users) shall comply with the following:

A. Reclaimed Water Use Specifications

1. The treatment, distribution, or reuse of reclaimed water shall not create a nuisance as defined in Section 13050(m) of the California Water Code.
2. The reclaimed water shall be at all times an oxidized water and shall meet the following quality limits at all times:

Soluble Biochemical Oxygen Demand	15 mg/l, maximum
Settleable Solids	0.5 ml/l-hr, maximum
Dissolved Oxygen	1.0 mg/l, minimum
Dissolved Sulfides	0.1 mg/l, maximum
3. The Users of reclaimed water shall manage its application so as to minimize mosquito breeding.
4. The use of reclaimed water shall not cause the degradation of any groundwater so as to impair beneficial use.
5. The Producer shall discontinue the diversion of effluent for agricultural reclamation during a period where he has reason to believe that the limits specified in A.2 are not being met. The diversion of reclaimed water shall not be resumed until all conditions which caused the limits specified in A. 2 to be violated have been corrected.

B. Prohibitions

1. Reclaimed water use shall be confined to the area identified in Finding 1 of this Order, and shown on Attachment A, unless written authorization has been obtained from the Board's Executive Officer.
2. Reclaimed water shall not be used for irrigation of crops for human consumption.
3. No reclaimed water shall be allowed to escape from the designated use areas via surface flow or airborne spray.
4. Reclaimed water shall not be applied nor disturbance occur within 100 feet of any seasonal or permanent wetland, flowing stream, public highway, house, barn, well or pond.
5. Milking animals are prohibited from grazing on the areas irrigated with reclaimed water.
6. Fodder crops shall not be harvested when wet from spraying with reclaimed water.

7. Surface drainage channels for the areas irrigated with reclaimed water shall be dammed to prevent runoff from entering surface waters.
8. No waste shall be applied to the irrigation sites when the soil is saturated or during periods of rainfall.
9. Reclaimed water shall not be applied unless all Prohibitions have been complied with.

C. Provisions

1. The Producer and Users shall file with the Board technical reports on self-monitoring work performed according to detailed specifications as directed by the Board's Executive Officer.
2. All equipment, including pumps, piping and valves, storage pond, etc. which may at any time contain waste shall be adequately and clearly identified with warning signs and Users shall make all necessary provisions, in addition, to inform the public that the liquid contained therein is sewage and is unfit for human consumption. All fields irrigated with wastewater shall be posted to inform the public that sewage is being used and is unfit for human consumption.
3. The Producer and Users shall permit the Board or its authorized representatives:
 - a. Entry upon premises in which an effluent source is located or in which any required records are kept.
 - b. Access to copy any records required to be kept under terms and conditions of this Order.
 - c. Inspection of any monitoring equipment or method required by this Order.
 - d. Sampling of any discharge and reclaimed water.
4. In the event of any change in control or ownership of land or waste discharge facilities presently owned or controlled by the Producer and/or Users, the Producer and/or Users shall notify the succeeding owner or operator of the existence of this Order by a letter, a copy of which shall be forwarded to this Board.
5. The Producer and Users shall maintain in good working order and operate, as efficiently as possible, any facility or control system installed by the Users to achieve compliance with the water reclamation requirements.
6. The Producer and Users shall file with the Regional Board a report on waste discharge at least 180 days before making any material change or proposed change in the character, location or volume of reuse.

I, Fred H. Dierker, Executive Officer, do hereby certify the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, San Francisco Bay Region, on September 21, 1983.

FRED H. DIERKER
Executive Officer

Attachments:

A. Map

CUTTINGS WHARF QUADRANGLE

CALIFORNIA

7.5 MINUTE SERIES (TOPOGRAPHIC)
NE/4 MARE ISLAND 15' QUADRANGLE

